

TABLE 1	
E-GLASS PATCH	
COLUMN Ø	"X" & "Y" EQUALS
12"	"Z"+14"
24"	"Z"+14"
36"	"Z"+20"
48"	"Z"+26"
60"	"Z"+32"
72"	"Z"+38"

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
No. X
Exp. X
CIVIL
STATE OF CALIFORNIA

SYSTEM 4			
FIBER VOLUME = 45% min			
PREFABRICATED COMPOSITE SHELLS			
ROUND COLUMN			
COLUMN Ø	INDIVIDUAL SHELL THICKNESS	NO. OF SHELLS t1	NO. OF SHELLS t2
12"	.10"	3	3
24"	.10"	4	3
36"	.10"	5	3
48"	.10"	6	3
60"	.10"	7	4
72"	.10"	8	4

- GENERAL NOTES:**
- Prefabricated composite shells shall be fitted to the column to accommodate super elevation and drain openings
 - All surfaces shall be prepared for bonding by means of abrasive blasting or grinding
 - All surfaces shall be cleaned by hand or by oil-free compressed air. All surfaces shall be free of moisture, oils, loose material, debris or dust
 - Prefabricated shells shall be adhered to every surface of the column and adjacent shell with on-site mixed 2-part epoxy resin
 - All prefabricated composite shells shall be butted vertically
 - Drainage opening reinforcement shall be the same material used for the column casing with modified fiber orientation
 - All cut edges shall be sealed with epoxy
 - For column heights less than 5 x "D", use constant thickness full height of t1
 - All materials shall be protected from moisture
 - The casing thickness shall taper evenly the full length of the transition zone using epoxy
 - Construction of the casing shall be such that all gaps, interior and exterior of the casings are filled with epoxy

LEGEND:

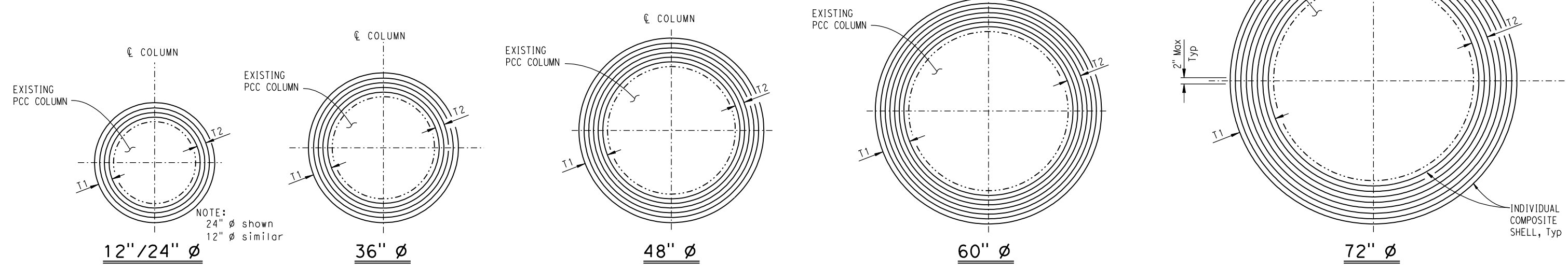
----- Indicates Existing Structure

————— Indicates New Construction

t1, t2 Denotes Amount of Epoxy Vinylster Shells

COLUMN RETROFIT
NO SCALE

E-GLASS OPENING
NO SCALE



PREFABRICATED COMPOSITE SHELLS ON CONCRETE COLUMN
NO SCALE